

Index

Special Characters

. - period 7-8, 7-18
← (backspace key) 2-34
+ (plus sign)
in automatic response
file 11-23
in response to linker
prompt 11-23
*- asterisk 2-41
*- EDLIN prompt 2-41,
7-5, 7-10
*- global filename
character 6-14
* character, using 2-18
-(DEBUG prompt) 12-15
/P parameter 6-84
/S option 6-101
/V parameter 6-102
/W parameter 6-84
/l parameter 6-94,
6-101, 6-92
% (percent sign) 6-34
? - global filename
character 6-14
? character 2-18, 6-14
- pound sign 7-7
@ character 2-48
@ symbol (linker) 11-23
= equal sign 6-8

A

A > prompt 6-17
abort program 8-6
abort read/write
operation 8-6
about diskettes 1-7
absolute disk read D-9
absolute disk write D-10
absolute sector 12-63
absolute segment address
how to determine 11-28
absolute track/sector,
calculate C-8
AC flag set
condition 12-50
access, random B-5
accessing a file 9-9
adding hexadecimal
values 12-34
address - DEBUG
parameter 12-7
address terminate
interrupt D-2
address, disk transfer 12-5
AH register D-16
allocating disk space B-5
allocation table
information D-26
allocation, diskette C-1

analyze
diskettes 6-101
the directory 6-54
the File Allocation
Table 6-54

Append Lines
Command 7-12, 7-46

applications,
random/sequential 9-6

architecture, 8088 B-1

ASCII characters 6-107,
12-22

ASCII codes,
extended 6-107, D-17

ASCII representation 12-22

ASCII values 12-12

Assemble Command 12-16

ASSIGN (Drive)
Command 6-21, 6-148

asterisk
EDLIN prompt 2-41,
7-5, 7-10
global filename
character 6-14

Asynchronous
Communications Adapter
6-116, 6-120, 6-121

attribute byte C-4, E-14

attribute field 14-6

attribute, file C-4

AUTOEXEC file B-4

AUTOEXEC.BAT
file 6-31, 6-82

automatic program
execution 1-16

automatic response file
linker 11-23

AUX: - reserved device
name 6-13

Auxiliary Asynchronous
Communications
Adapter D-18

auxiliary carry flag 12-50

auxiliary input D-18

auxiliary output D-18

available functions,
DOS B-5

AX register 12-5, D-10,
D-16

B

backslash (\) 2-33, 2-43

backing up a diskette 3-10

backing up DOS 1-6

backing-up one file 3-18

backspace key (←) 2-34

BACKUP (Fixed Disk)
Command 6-24

BACKUP command 6-24,
6-148

backup diskette 6-93

backup file, edit 7-6

backup more than one
file 3-29

BAK filename
extension 7-6, 7-21, 7-34

BASIC Program
Editor 2-55

BAT filename
extension 6-28

Batch Commands 6-28

batch file 6-28, 6-47,
6-49, 6-139, 6-152
.BAT 6-28
change 6-49
enter 6-142

batch file processor B-4

batch processing 6-28

BIOS D-9

BIOS interface
module B-1

BIOS Parameter
Block 14-16

block devices 14-4

block number,
current E-11

block read, random D-29

block write, random D-29
size D-27

blocking/deblocking,
 data B-1
boot record program B-1,
 B-2
boundary, paragraph 11-6
boundary, 16-byte 12-22
boundary, 8-byte 12-22
BP register 12-5, D-6
BPB, what is 14-16
brackets, square 6-8
BREAK (Control Break)
 Command 6-50, 6-147
Break key 2-45
breakpoint 12-30
buffer, input 2-55
buffer, what is a 9-5
buffered standard
 input D-19
BUFFERS command 9-4
built-in functions B-1
BX register 12-5, 12-39,
 D-7
byte - DEBUG
 parameter 12-8
byte contents
 display 12-25
 fill 12-29
 replace 12-25
bytes, about 1-11

C

calculate absolute
 cluster C-9
calls, function D-13
carry flag 12-50
chaining file sectors B-5
change a filename 3-37
change console,
 CTTY 10-10
change date 6-81
change diskettes 6-49
change filenames 6-135
change time 6-142

changing active
 partition 4-19
changing the current
 directory 5-12
character devices 14-4
CHDIR (Change Directory)
 Command 6-53, 6-153
check for control
 break 6-51
check keyboard
 status D-19
checksum
 methodology B-3
CHKDSK (Check Disk)
 Command 6-55, 6-153
CL register D-16
class 11-7
clear condition 12-50
close file D-20
 close D-20
CLS (Clear Screen)
 Command 6-42, 6-59,
 6-153
cluster number,
 relative C-6
cluster, calculate C-9
cluster, locate next C-8,
 C-9
cluster, starting C-6
clusters B-6, C-2
 directory C-3
codes, error D-5
codes, 8088
 instruction 12-32
colon 6-8
Color/Graphics Monitor
 Adapter 6-107, 6-109,
 L-14
COM filename
 extension 6-7, B-3
 .COM B-3
 .EXE B-4
COM programs E-5
comma 6-8

command line
linker 11-20
command parameters
 DEBUG 12-7
 DOS 6-9
 EDLIN 7-7
command processor B-3
command processor,
 resident portion of B-3
command prompt,
 DEBUG 12-14
command prompts,
 linker 11-8
COMMAND.COM 6-101,
 12-4, B-3, C-5, E-3
commands
 DEBUG 12-15
 DOS 6-17
 EDLIN 7-9
commands for
 directories 5-11
commands, end 6-19
commands, enhanced A-9
commands, new A-5
commands, summary of
 DEBUG 12-67
 DOS 6-152, 10-27
 EDLIN 7-46
Communications
 Adapter 6-115
Communications Adapter,
 Auxiliary
 Asynchronous D-18
COMP (Compare Files)
 Command 6-60, 6-153
Compare Command 12-21
comparing 6-91
comparing files 6-60,
 6-91, 6-153
comparing memory 12-21
compilers, using fixed
 disk I-1
computer, size of your 9-7
COM1: - reserved device
 name 6-13

CON: - reserved name for
 console/keyboard 6-13
concatenation 6-66
console I/O, direct D-19
console/keyboard 6-13
console/keyboard
 routines B-3
control blocks E-1
control keys 2-49, 6-19,
 7-10, 12-15
control screen cursor 13-3
copying your DOS
 diskettes 1-6
copy a file to another
 diskette 3-22
copy a file to same
 diskette 3-20
copy and combine
 files 6-75
COPY command 6-29,
 6-66, 6-93, 6-97, 6-154
Copy Lines
 Command 7-13, 7-46
copy more than one
 file 3-29
copy with different
 filename 6-72
copy with same
 filename 6-70
copying diskettes 6-95
copying files 6-66
correcting input lines 2-55
create DOS partition 4-15
create file D-21
creating a .BAT file 6-29
creating a batch file 6-33
creating a device
 driver 14-8
creating a new file 7-21
creating a
 sub-directory 5-11
critical error handler B-3
critical error handler
 vector D-4
critical error handling B-3

CS register 12-5, 12-30,
12-32, 12-37, 12-58,
12-63, D-2, D-5, E-3, E-6
Ctrl key 2-49
Ctrl-Break 11-9
CTRL-BREAK exit
address B-3, D-3
CTRL-BREAK
handler B-3
Ctrl-Break keys 2-45,
2-50, 6-19, 6-29, 6-49,
7-10, 7-18, 7-23, 12-14
Ctrl-Enter keys 2-50
Ctrl-Num Lock keys 2-47,
2-51, 6-19, 7-10, 12-15
Ctrl-PrtSc keys 2-48,
Ctrl-Z character 6-76
CTTY (Change Console)
Command 10-10
CTTY command 10-10,
10-28
current block
number E-11
current directory, changing
or displaying 5-12
current directory, what
is 5-6
current disk D-26
current relative record
number E-12
cursor control 13-3
CX register 12-5, 12-6,
12-39, D-7
CY flag set
condition 12-50

D

d:
default 6-9
parameter 6-9
data blocking/
deblocking B-1

DATE Command 6-81,
6-154
change 6-81
enter 6-81
date file created or
updated E-12
deblocking/blocking,
data B-1

DEBUG commands
Assemble 12-16
Compare 12-21
Dump 12-22
Enter 12-25
Fill 12-29
Go 12-30
Hexarithmetic 12-34
Input 12-35
Load 12-36
Move 12-40
Name 12-42
Output 12-44
Quit 12-45
Register 12-46
Search 12-53
Trace 12-55
Unassemble 12-57
Write 12-62

DEBUG program
command
parameters 12-7
commands 12-14
common information
12-14
ending 12-45
how to start 12-4
prompt 12-15
summary of
commands 12-67
what it does 12-3

default disk transfer
address 12-5

default drive
linker 11-9
parameter 6-9

default drive, specifying
the 2-32
default segment 12-7
defective tracks 6-101
DEL Command 6-83
Del key 2-56
delete DOS partition 4-12
delete file D-22
Delete Lines
 Command 7-14
deleting a directory 5-12
deleting DOS
 partition 4-20
deleting files 6-99
delimiters 6-18, 7-9, 12-14
destination area 12-40
device driver,
 creating 14-8
device drivers 14-3
device drivers,
 installation 14-9
device error message 8-3
device field, next 14-5
device header 14-5
device names,
 reserves 6-13, 6-19, 6-73
device redirection 10-4
devices, types of 14-3
DGROUP 11-16
DI flag clear
 condition 12-50
DI register 12-5, D-5
DIR (Directory)
 Command 6-84
DIR command 6-10, 6-8
 6-103, 6-154
direct console I/O D-19
direction flag 12-50
director, analyze 6-55
directory entries,
 listing 6-84
directory path format 6-10
 filenames 6-11
directory search,
 PATH 6-123

directory searches C-3
 in directory C-4
directory structure,
 displaying 5-12
directory types, how they
 work 5-5
directory, display 6-144
directory, make 6-113,
 6-155
directory, remove 6-140,
 6-157
disk
 current D-26
 reset D-20
 select D-20
disk error handling B-2
disk errors D-7
disk read, absolute D-9
disk transfer address 12-5,
 E-5
disk transfer address,
 set D-26
Disk Transfer Area
 (DTA) B-6
disk write, absolute D-10
DISKCOMP (Compare
Diskette) Command
6-91, 6-97, 6-154
DISKCOPY (Copy
Diskette) Command
6-91, 6-95, 6-154
diskette and drive
 compatibility 1-14
diskette compatibility 1-14
diskette write-protect
 notch 1-12
diskette, about your 1-7
diskette, copy a file to
 another 3-22
diskette, copy a file to
 same 3-20
diskette, finding whats
 on a 3-30
diskette, getting ready 3-4

diskette, protecting your original 3-11
diskette, remove a file 3-41
diskettes, backing up
DOS 1-6
display
 byte contents 12-26
 flags 12-48
 lines 7-27
 registers 12-48
 remarks 6-50
display contents of directory 6-144
Display DOS version number 6-149
display instructions 12-57
display output D-18
display partition data 4-22
display screen,
 shifting 3-44
display what's in a file 3-34
displaying directory structure 5-12
displaying memory 12-22
displaying the current directory 5-12
divide-by-zero B-1
DN flag set
 condition 12-50
DOS
 available functions B-5
 command
 parameters 6-9
 control blocks E-1
 disk allocation C-1
 editing keys 2-55
 how to start 2-3
 Initialization B-2
 memory map E-1
 program segment E-3
 structure B-1
 technical
 information B-1
 work areas E-1
DOS commands
ASSIGN 6-21
BACKUP 6-24
Batch processing 6-28
BREAK 6-51
CHDIR 6-53
CHKDSK 6-55
CLS 6-59
common
 information 6-17
COMP 6-60
COPY 6-66
CTTY command 10-8
DATE 6-81
DEL 6-83
DIR 6-84
DISKCOMP 6-91
DISKCOPY 6-95
ERASE 6-99
EXE2BIN
 command 10-12
external 6-6
FIND Filter
 command 10-5
FORMAT 6-111
GRAFTABL 6-107
GRAPHICS 6-109
internal 6-6
KEYB-- 6-111
MKDIR command 6-110
MODE 6-112
MORE Filter 10-7
PATH 6-123
PAUSE 6-48
PRINT Command 6-126
PROMPT 10-18
RECOVER
 Command 6-132
REM 6-50
RENAME
 (or REN) 6-135
RESTORE 6-137
RMDIR 6-140
SET command 10-21

SORT Filter 10-25
summary of 6-152,
 10-27
SYS 6-141
TIME 6-142
TYPE 6-153
types of 6-6
VER Command 6-149
VERIFY
 Command 6-149
VOL Command 6-151
DOS commands, advanced
 CHDIR command 6-53
 CTTY command 10-10
 EXE2BIN
 command 10-12
 FIND Filter
 command 10-15
 MKDIR
 command 6-110
 MORE Filter
 command 10-17
 PATH command 6-123
 RMDIR
 command 6-140
 SET command 10-21
 SORT Filter
 command 10-25
 TREE command 6-144
DOS diskette, about
 your iii
DOS editing keys
 entering DOS
 commands 6-17
 examples using 2-60
 using DEBUG 12-14
 using EDLIN 7-9
DOS enhancements A-1
DOS environment E-4
DOS features A-1
DOS filters 10-7

DOS partition
 changing active 4-19
 creating 4-15
 deleting 4-20
 display data 4-22
DOS version number,
 display 6-149
DOS, backing up your
 diskettes 1-6
DOS, giving a
 command 3-3
DOS, how to start 2-3
DOS, setting up the
 partition 4-8
DOS, when it starts 4-5
drive 6-9
 directory path 6-10
drive - DEBUG
 parameter 12-8
drive compatibility 1-14
drive letters, fixed disk 4-4
drive specifier, what
 is 2-17
drive, assign new 6-21
drive, default 2-32
DS register 12-5, 12-6,
 12-24, 12-29, 12-40, D-5,
 E-6
/DSALLOCATION linker
 parameter 11-16
DTA (Disk Transfer
 Area) B-5
dual-sided diskettes 1-8
dummy device 6-13
dummy parameters 6-33,
 6-35
 ECHO 6-36
Dump Command 12-22,
 12-67
DX register 12-5, D-5

E**ECHO**

Subcommand 6-36, 6-152
edit
 backup file 7-4
 existing file 7-4
 partial file 7-12
Edit Line Command 7-18,
 7-46
 editing a new file 7-5
 editing keys 2-55, 6-19,
 7-9, 12-15
 editing template 2-55
EDLIN
 prompt 7-4
 Append Lines 7-12
 command
 parameters 7-7
 commands 7-9
 common
 information 7-9
 compared to DOS
 editing keys 2-55
Copy Lines 7-13
Delete Lines 7-14
Edit Line 7-18
End Edit 7-21
how to start 7-4
Insert Lines 7-23
List Lines 7-27
Move Lines 7-32
Page Command 7-33
program 7-3
Quit Edit 7-34
Replace Text 6-36
Search Text 6-40
Transfer Lines 6-45
used with DOS editing
 keys 2-55
Write Lines 6-46
EDLIN commands,
 summary of 7-46
EDLIN prompt 2-61
EDLIN, how to start 2-61

EDLIN, how to stop 2-72
EI flag set condition 12-50
ellipsis 6-8
emptying the
 template 2-69
enhancements, DOS A-1
End Edit command 7-5,
 7-21, 7-46
end-of-file 6-76
end-of-file mark C-7
ending commands 6-19
enhanced commands A-8
Enter Command 12-25,
 12-67
enter date 6-81
Enter key 2-27, 2-32, 6-13,
 7-9
enter time 6-142
entries, search for D-22
environment, DOS E-4
environment set 10-21
equal sign (=) 6-8
ERASE Command 6-99,
 6-154
erasing files 6-99
error codes D-4
error handler B-7
error handling
 critical B-3
 disk B-3
error message, device 8-3
error messages 8-3
error return table D-14
error trapping B-5
error, recover from 8-6
error, syntax 12-15
ES register 12-5, 12-6,
 D-5, E-6
Esc key 2-53, 2-56, 2-59,
 7-18
EXE file structure H-1
EXE filename
 extension 6-7, 11-12,
 12-6, 12-39, 12-66, B-4
 .EXE 12-6, 12-39, E-3

EXE files, load H-1
EXE programs E-6
execute instructions 12-55
execute program 12-30
executing a .BAT file 6-35
executing commands
 within an application F-1
EXE2BIN
 Command 10-12, 10-28
existing file, edit 7-4
 \$\$\$ 7-22
ext 6-12
extended file control
 block E-14
extensions 6-12
 characters, valid 6-12
external commands 6-6,
 B-4
 .COM 6-7
.EXE 6-7

F

FAT (see File Allocation Table)
 allocating space C-6
FCB E-11
FCB (see File Control Block)
FDISK command 4-6,
 4-13
features and differences of DOS A-1
field, name 14-8
field, attribute 14-6
File Allocation Table (FAT) B-5, C-6
file allocation table, how to use C-8
file buffers D-1
File Control Block (FCB) 12-42, B-4, E-11
 in file control
 block E-11
file control block,
 extended E-14
File Management B-5
file sectors
 chaining B-5
 mapping B-5
file size E-9
file specifications 2-36
file structure, .EXE H-1
file, backing-up one 3-18
file, copy more than one 3-29
file, display whats in 3-34
file, editing a new 7-5
filename characters,
 global 6-14
filename, change a 3-37
filename, parse D-30
filenames
 characters, valid 6-11
 in directory C-4
 in file control
 block E-11
 length of 6-11
 renaming 6-135
files/filenames,
 what are 2-32
files, list all 6-85
files, list selected 6-87
files, number opened 9-10
filespec 6-12
filespec - DEBUG
 parameter 12-8
Fill Command 12-29,
 12-67
Filter commands filtering data 10-7
FIND Filter
 Command 10-15
First Asynchronous Communications Adapter
 port 6-13
fixed disk drive letters 4-5

fixed disk
 partitioning 4-8
 Fixed Disk Setup
 Program 4-12
 fixed disk, backup 6-19
 fixed disk, preparing
 your 4-3, 4-5
 fixed disk, restore 6-137
 fixed disk, select next
 drive 4-23
 fixed disk, start 4-12
 fixed disk, using compilers
 and macro assembler I-1
 fixups, segment 10-12
 flag values 12-47
 flags 12-5
 flags, display 12-48
 FOR Subcommand 6-38,
 6-152
 FORMAT Command 6-101
 6-155, C-3
 hidden C-3
 format notation 6-5
 FORMAT status
 report 6-104
 format, device drivers 14-3
 FORMAT, how to use 3-4
 formatting your
 diskettes 1-7
 fragmented diskettes 6-97
 fragmented files 6-71
 fragmented 6-71
 function call
 parameters 14-16
 function calls D-12
 functions, available
 DOS B-3
 functions, built-in B-1
 F1 key 2-57, 2-65, 2-69
 F2 key 2-57, 2-65, 2-66,
 2-70, 7-19
 F3 key 2-58, 2-63, 2-64,
 2-56, 2-59, 12-47,
 7-19, 12-36
 F4 key 2-58, 2-67
 F5 key 2-47, 2-58,
 2-69, 7-20
 F6 key 6-10, 6-24, 6-53,
 6-29

G

generating line
 numbers 7-3
 get
 date D-31
 time D-31
 getting a diskette
 ready 3-4
 giving DOS a
 command 3-3
 global filename characters
 * 6-15
 ? 6-14
 examples using 6-15
 in command name 6-19
 in COPY 6-69
 in DIR 6-85
 in ERASE 6-99
 in RENAME 6-135
 global filename characters,
 using 2-38, 3-43
 Go command 12-30, 12-67
 GOTO
 Subcommand 6-39, 6-152
 GOTO 6-39
 GRAFTABL
 Command 6-107
 GRAPHICS (Screen Print)
 Command 6-109
 GRAPHICS
 command 6-109, 6-155
 group 11-7

H

header H-1
 helps and hints 3-46

HEX filename
extension 12-6, 12-39,
12-65
.EXE 12-65
.HEX 12-6, 12-39,
12-65

Hexarithmetic
Command 12-34, 12-67

hidden files 6-56, 6-103,
C-4, D-25, E-14
attribute C-4
hidden D-25

HIGH 11-17

HIGH linker
parameter 11-7

high memory 11-16, 12-6,
B-3

how directories work 5-3

how to use tree-structured
directories 5-3

I

IBMBIO.COM 6-84, 6-100,
6-103, B-1, B-2, C-5

IBMDOS.COM 6-84,
6-100, 6-103, B-1, B-2, C-5

id=bat.Batch commands

IF Subcommand 6-41,
6-152
IF 6-31

initialization, DOS B-2

initialize
analyze 6-101
diskettes 6-101
initialize 6-101

initializing the
asynchronous
adapter 6-116

input buffer 2-55

Input Command 12-35,
12-68

input files
linker 11-4

input, auxiliary D-18

Ins key 2-59, 2-70, 12-51

Insert Lines
Command 7-23, 7-46

insert mode 2-70, 2-77,
7-23

inserting characters 2-70

inserting lines 7-4

installation of device
drivers 14-9

instruction codes,
8088 12-32

Instruction Pointer
(IP) 12-5

instruction set, 8088 B-1

instructions
display 12-57
execute 12-55
unassemble 12-57

INT hex 24 B-7

INT 21 B-5
random B-5
sectors B-5
sequential B-5

interface module,
BIOS B-1

internal command
processors B-3

internal commands 6-6

interrupt codes 12-31

interrupt flag 12-50

interrupt mechanism,
8088 B-1

interrupt routines 14-7

interrupt vectors B-3

interrupt hex 20 D-1

interrupt hex 22 B-3, D-2

interrupt hex 23 B-3, D-3

interrupt hex 24 D-4

interrupt hex 25 D-9

interrupt hex 26 D-10

interrupt hex 27 D-10

interrupt, set D-28

interrupts D-1

invoking one batch file
from another 6-29

IP (Instruction
Pointer) 12-5
IP register 12-30, 12-47,
D-5, E-6
IRET D-3

K

KEYBFR Command 6-112
KEYBGR Command 6-112
KEYBIT Command 6-112
keyboard 6-13
keyboard input D-17
keyboard input,
buffered D-19
KEYBSP Command 6-112
KEYBUK Command 6-112
keys, control 2-47, 6-9,
7-10, 12-15
keys, DOS editing 2-55,
6-15, 7-9, 12-15
keys, reassign 13-10
keywords 6-8

L

LINE 11-17
line - EDLIN
parameter 7-7
Line Editor Program 2-55,
2-60, 7-3
line numbers 7-4
lines, renumber 7-19, 7-23
LINK
See linker (LINK)
program
linker (LINK) program
command line 11-20
command prompts 11-8
example session 11-25
messages 11-30
starting 11-19

linker files
automatic response 11-4,
11-22
input 11-4
library 11-4, 11-13
listing 11-5, 11-12
object 11-4, 11-10
output 11-5
run 11-5, 11-12
linker parameters 11-15
/DSALLOCATION
11-16
/HIGH 11-17
/LINE 11-17
/MAP 11-17
/PAUSE 11-18
/STACK 11-18
linker prompts 11-10
list - DEBUG
parameter 12-9
list all files 6-85
list diskette files 3-30
List Lines Command 7-27,
7-46
list one file 3-32
list selected files 6-87
listing data lines 7-33
listing directory
entries 6-14, 6-84
Load Command 12-36,
12-68
load module 11-28
loading .EXE files H-1
loading DOS 2-3
loading programs 10-9
loading standard device
drivers 9-8
locate next cluster C-7, C-8
logical record size E-12
logical sector
numbers D-9
LPT1: - reserved name for
printer 6-13

M

macro assembler, using
fixed disk I-1
make directory,
MKDIR 6-81
/MPA linker
parameter 11-17
MAP extension 11-12
.MAP 11-12
mapping file sectors B-4
memory
high 11-16, 12-6, B-3
low 11-16
memory management
routine B-4
memory status report 6-39
memory, loading files
into 7-4
EDLIN 7-4
messages 8-3
messages, linker 11-30
MKDIR (Make Directory)
Command 6-81
MKDIR command 6-81,
6-120
MODE Command 6-83,
6-120
MORE Filter
Command 10-17
MORE Command 10-17
MOV instruction C-8
Move Command 12-40,
12-68
Move Lines
Command 7-32, 7-46

N

n - EDLIN parameter 7-8
NA flag clear
condition 12-50
Name command 12-42,
12-68

name field 14-8
NC flag set
condition 12-50
new commands A-5
next device field 14-5
NG flag set
condition 12-50
notation, format 6-8
notch, write protect 1-10
NUL: - reserved device
name 6-13
numbers, line 7-3, 7-15
NV flag clear
condition 12-50
NZ flag clear
condition 12-50

O

OBJ extension 11-10
.OBJ 11-10
object files 12-3
object 12-3
object modules 11-10
object program files 6-148
object program 6-148
text 6-148
open file D-21
operating systems, more
than one 4-12
operation, suspend
system 2-48, 6-48
optional remarks, PAUSE
command 6-48
Output Command 12-44,
12-68
output files
linker 11-5
output, auxiliary D-18
output, display D-18
OV flag set
condition 12-50
overflow flag 12-50

P

Page Command 7-33, 7-46
paragraph boundary 11-6
parallel printer to
Asynchronous
Communications
Adapter 6-122
parameters
 DEBUG 12-7
 DOS 6-9
 dummy 6-34
 EDLIN 7-6
 testing with
 different 12-30
parameters, function
 call 14-16
parameters, Linker 11-15
parity flag 12-43
parse filename D-30
partial file, edit 7-12
partition setup 4-8
partition, display data 4-22
partitioning your fixed
 disk 4-12
Pascal hex patch J-1
PASKEY, see Pascal hex
 patch J-1
PAS1, update your
 diskette J-1
PATH (Set
 Search Directory)
 Command 6-123
PAUSE 8-7, 11-18
PAUSE Subcommand 6-48
PC register 12-47
PE flag set condition 12-50
percent sign (%) 6-34
period(.) 7-8, 7-18
physical append 6-78
Piping standard I/O 10-6
piping, what is 10-6
PL flag clear
 condition 12-50

plus sign
 in automatic response
 file 11-23
 in response to linker
 prompt 11-10
PO flag clear
 condition 12-50
pointer to next
 device 14-8
portaddress - DEBUG
 parameter 12-9
pound sign (#) 7-9
prepare diskettes 6-101
 preparing 6-101
preparing fixed disk 4-6
preparing your fixed
 disk 4-6
PRINT Command 6-126,
 6-156
print displayed output 2-48
print screen output 2-47
print string D-19
printer 2-47, 6-13, 6-112
printer output D-18
printing graphics 6-109
PRN: - reserved name for
 printer 6-13
program execution,
 automatic 1-16
program execution,
 stop 12-30
program segment
 create new D-28
 DOS E-3
Program Segment Prefix
 12-6, B-2, B-5, E-5, E-7
program terminate D-17
PROMPT (Set System
 Prompt) Command 10-18
PROMPT Command
 10-18, 10-28
protect notch 1-12
protecting your original
 diskette 3-11
protocol parameters 6-120

public symbols 11-25
punctuation 6-8

Q

questions mark 6-8
Quit Command 12-45,
12-68
Quit Edit Command 7-34,
7-46
quotation marks 12-12

R

random access B-5
random block read B-5,
D-29
random block write B-5,
D-29
random read D-27
random record field,
set D-28
random write D-27
random/sequential
applications 9-6
range - DEBUG
parameter 12-9, 12-10
Read-Only Memory
(ROM) B-1
read/write requests 9-5
read, random D-27
read, random block D-29
read, sequential D-24
reassign keys 13-10
record number,
relative E-13
record size, logical E-12
recording format,
diskette 6-101
defective tracks 6-101
RECOVER Command
6-121
recover from error 8-6
redirection of I/O
devices 10-4

Register Command 12-46,
12-68
registername - DEBUG
parameter 12-10
registernames, valid 12-47
registers, display 12-48
relative cluster number C-6
relative record
number E-13
relative sector
number 12-11
relative zero 11-26
relocatable loader 11-5
relocation H-3
REM (Remark)
Subcommand 6-50, 6-147
remarks, display 6-50
remarks, PAUSE
subcommand 6-48
remove a file from
diskette 3-41
remove directory,
RMDIR 6-140
removing a file 3-41
REN command 6-135
RENAME (or REN)
Command 6-135
RENAME command 6-135,
6-157
rename file D-25
renumber lines 7-19, 7-23
replace byte
contents 12-25
replace standard
device 9-8
Replace Text Command
7-35, 7-46
replacing characters 2-43,
2-70
reserved device names
6-33, 6-38, 6-73
reset, disk D-20
reset, system B-2
resident portion of
command processor B-3

responses to the system 8-6
RESTORE (Fixed Disk)
 Command 6-137
RESTORE command
 6-137, 6-157
retry read/write
 operation 8-6
RMDIR (Remove Directory)
 Command 6-140
RMDIR command 6-140,
 6-157
ROM (Read-Only
 Memory) B-1
ROM BIOS routine D-18
root directory,
 what is 5-5
routines
 device B-1
 diskette handling B-3
 keyboard input B-3
 memory
 management B-4
 output B-3
 printer output B-3
 ROM BIOS D-18
routines,
 strategy/interrupt 14-7
run file 11-12
backslash 2-50, 2-59

S

saving diskette
 space 10-12
screen 6-33
screen cursor control 13-3
screen display
 restart 2-47
 suspend 2-47
screen output, print 2-47
screen print,
 graphics 6-109
screen shifting 3-44
screen, clear CLS 6-59

Search Command 12-53,
 12-68
search directory,
 PATH 6-123
search for entries D-22
Search Text
 Command 6-41, 6-51
sector - DEBUG
 parameter 12-11
sector number,
 relative 12-11
sector numbers,
 logical D-9
sector, absolute 12-63
sector 6-96, 12-11
sectors, about 1-8
sectors, file B-4
segment 11-6
segment address E-7
SEGMENT
 command 11-8
segment fixups 10-9
segment registers 12-5,
 12-60
segment, create new
 program D-28
segment, default 12-7
segment, start H-3
segments, class 11-8
select disk D-20
selecting fixed disk drive,
 next 4-23
semicolon delimiter 6-18
separators, filename D-30
 separators D-30
 terminators D-30
sequential read D-24
sequential write D-24
set
 date D-31
 interrupt D-28
 random record
 field D-28
 time D-31
 verify switch D-32

SET (Set Environment)
 Command 10-21
SET Command 10-21,
 10-28
set condition 12-50
set system prompt
 command 10-8
setting up the DOS
 partition 4-8
Shift PrtSc keys 2-50
SHIFT Subcommand 6-46,
 6-152
 SHIFT 6-46
shifting display
 screen 3-39
SI register 12-5, D-5
sign flag 12-50
single diskette-drive
 systems 1-14
single-drive system 6-93,
 6-96
 fragmented 6-96
single-sided diskettes 1-8
slashes 6-8
SORT Filter
 Command 10-25
 SORT command 10-25
source area 12-40
source drive 6-17
source files 7-3
 source 7-3
SP (Stack Pointer) 12-5
SP register E-5, E-6
space allocation B-6, C-1
space delimiter 6-8
special characters 6-14
specifying a drive 6-9
specifying the default
 drive 2-32
specifying the path to a
 file 5-7
square brackets 6-8
SS register 12-5, E-6
stack allocation
 statement 11-18

/STACK linker parameter
Stack Pointer (SP) 12-5
stack, user D-5
standard I/O device
 redirection 10-4
standard I/O, piping 10-6
start segment H-3
starting cluster C-5
starting DEBUG 12-4
starting DOS 2-3
 computer power off 2-4
 methods 2-3
starting EDLIN 7-4
starting the linker 11-19
static environment E-4
status report 6-55
stop program
 execution 12-30
strategy routines 14-7
string - DEBUG
 parameter 12-12
string - EDLIN
 parameter 7-8
structure, DOS B-1
sub-directory, creating
 a 5-11
sub-directory, what is 5-5
summing files 6-79
suspend screen
 output 2-47
suspend system
 operation 2-45, 2-48,
 6-48
switch, high/low
 loader H-3
symbols, global and
 public 11-17
syntax error 12-15
SYS (System)
 Command 6-141
SYS command 6-141,
 6-157
system configuration
 commands 9-3
system devices 6-13

system file E-11
 system files, transfer 6-141
 system prompt 6-17, B-3
 system prompt command,
 set 10-18
 system prompt, command
 is complete 6-17
 system reset B-2

T

target drive 6-19
 technical information,
 DOS B-1
 template 2-55
 temporary file, VM.TMP
 terminate address
 interrupt D-2
 terminate but stay
 resident B-3
 terminate commands 6-19
 terminate program D-17
 terminate program
 interrupt D-3
 terminators, filename D-30
 text files 6-147, 7-3
 text 7-3
 TIME Command 6-142,
 6-157
 time, change 6-142
 Trace Command 12-55,
 12-68
 track/sector, calculate
 absolute C-5
 tracks, about 1-10
 tracks, defective 6-101,
 C-5
 recording format 6-101
 transfer address, disk E-5
 Transfer Lines
 Command 7-44, 7-46
 transfer system files 6-141
 transient portion of
 command processor B-3

TREE (Display Directory)
 Command 6-144
 TREE 6-144
 TREE command 6-144,
 6-157
 tree-structured directories,
 how to use 5-3
 TYPE Command 6-147,
 6-157
 displaying contents
 of 6-147
 types of DOS
 commands 6-4

U

Unassemble
 Command 12-57, 12-68
 unassemble
 instructions 12-57
 unprintable
 characters 12-22
 UP flag clear
 condition 12-50
 user stack D-5
 using fixed disk 4-12
 using global filename
 characters 2-48, 3-43

V

value, DEBUG
 parameter, 12-13
 variable length
 instructions 12-58
 VER (Version)
 Command 6-149
 VER Command 6-149,
 6-158
 VERIFY Command 6-149,
 6-158
 verify switch D-28
 VM.TMP temporary file

VOL (Volume)
Command 6-151
VOL command 6-158
VOLUME Command 6-151

W

where DOS looks for
commands and batch
files 5-7
work areas E-1
 DOS E-1
Write Command 12-62,
 12-68, 15-22
Write Lines
 Command 7-45, 7-46
write-protect notch 1-12
write, random D-27
write, random block D-29
write, sequential D-24

Z

zero flag 12-50
ZR flag set
 condition 12-50